

Human APO-E4

Synonyms: Apolipoprotein E, APO-E, Alzheimer Disease 2 (APOE*E4-Associated, Late Onset), Apolipoprotein E3, LDLQC5, LPG, AD2, APOE.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
100 µg	1133.950.100		
500 µg	1133.950.500		
1 mg	1133.950.199		

Please enquire for bulk quantities and other vial sizes

Description

Apolipoprotein E4 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing a total of 306 amino acids including a His Tag at N-terminus and having a molecular mass of 35.2kDa. The Accession # is P02649 VAR_000652.

- **Source** *E. Coli*
- **Purity** ≥ 90 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Lyophilized from a sterile (0.2µm) filtered aqueous solution containing 10mM sodium phosphate, pH 7.5*
- **Physical state** Sterile filtered, lyophilized

Reconstitution

It is recommended to reconstitute the lyophilized APOE4 in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized APOE4 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution APOE4 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

MHHHHHHKVE QAVETEPEPE LRQQTWQSG QRWELALGRF WDYLRWVQTL SEQVQEELLS SQVTQELRAL
 MDETMKELKA YKSELEEQLT PVAEETRARL SKELQAAQAR LGADMEDVRG RLVQYRGEVQ AMLGQSTEEL
 RVRLASHLRK LRKRLLRDAD DLQKRLAVYQ AGAREGAERG LSAIRERLGP LVEQGRVRAA TVGSLAGQPL
 QERAQAWGER LRARMEEMGS RTRDRLDEVK EQVAEVRACL EEQAQQIRLQ AEAFAQRLKS WFEPLVEDMQ
 RQWAGLVEKV QAAVGTSAAP VPSDNH

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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